

AFFINITY DETECTING/ANALYTICAL CHIP, METHOD FOR PRODUCTION THEREOF, DETECTION METHOD AND DETECTION SYSTEM USING SAME

ABSTRACT OF THE DISCLOSURE

An affinity detecting/analytical chip comprises a plurality of capillaries bundled together, the capillaries having, fixed to their inner surface, probe molecules causing different specific binding reactions. A detection method flows molecules as a sample into the bundled capillaries to cause specific binding reactions, thereby binding the sample molecules to the inner surface of the capillaries, then applies light from one end of the capillary bundle, and observes light exiting from the opposite end surface of the capillary bundle, thereby examining the capillaries for the presence of binding. A reaction product detection system uses the chip. The chip, the detection method, and the detection system secure a sufficient signal strength, permit easy detection with a daylight lamp, and reduce difficulty involved in fluorescence detection.

100-200-300-400-500-600-700-800-900